

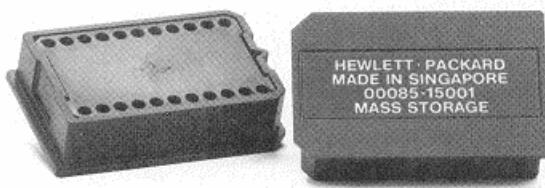


**HEWLETT  
PACKARD**

# **HP-85**

## **Mass Storage ROM**

### **00085-15001**



The HP-85 Mass Storage ROM lets you interface your HP-85 with the HP 82900-Series Flexible Disc Drives or 9895A Flexible Disc Memory. When used with the HP-85, the mass storage system (consisting of the HP-85 Mass Storage ROM and the Flexible Disc Drives) significantly expands the mass storage capabilities and capacities of the HP-85. The ROM adds 30 BASIC statements that give you powerful mass storage capabilities. The system is ideal for use where quick access to many programs and data files is important. Examples include scientific, engineering and business data bases and programs.

#### **Features**

- Total integration into the HP-85 system, for easy, convenient operation.
- 30 BASIC commands extend the existing HP-85 BASIC language to let you take advantage of the mass storage capabilities without learning a new language.
- Transparent operation. All you do is install the ROM and the system is ready to use.
- Increased mass storage capabilities of the HP-85 system. The ROM provides a powerful set of instructions that enhance the HP-85's capabilities.
- Many programmable commands. These let you control the mass storage system from your programs for automatic file management.
- Simple installation. The ROM is easy to install—it plugs into a standard ROM drawer (which plugs into an I/O port on the HP-85).
- Uses only a small amount of memory. The disc operating system provided by the ROM consumes only a small portion of HP-85 user memory. *RAM*

#### **Statements and Functions**

##### **ASSIGN#**

Assigns a buffer number to a data file and "opens" that file. Also used to close data files.

##### **CAT**

Displays a file directory for a specified storage medium (disc or tape).

##### **CHAIN**

Loads a new program file from the mass storage system and executes the new program. Data in COMMON is preserved.

##### **CHECK READ**

Performs record-by-record data verification during file read/write operations.

##### **COPY**

Copies files or entire storage media.

##### **CREATE**

Establishes a data file on a mass storage device.

##### **ERROM**

Returns the ROM number of the device that issued an error message.

##### **ERRSC**

Determines the select code of the interface module that received an illegal operation.

##### **GLOAD**

Loads the contents of a special extended-type file into the graphics display.

##### **GSTORE**

Stores the contents of the graphics display onto the mass storage system.

##### **INITIALIZE**

Clears, tests and prepares a flexible disc medium for use in the mass storage system.

##### **LOAD**

Loads an existing program file that is stored on the mass storage system into computer memory.

##### **LOADBIN**

Loads an existing binary program file that is stored on the mass storage system into computer memory.

##### **MASS STORAGE IS**

Defines the default mass storage device. Allows use of mass storage ROM commands without specification of a device.

##### **PACK**

Removes null files from the disc system.

##### **PRINT#**

Writes data to the referenced data file.

##### **PURGE**

Removes the specified file from the mass storage medium.

##### **READ#**

Retrieves data from the referenced data file.

##### **RENAME**

Changes the name of a file.

##### **SECURE**

Establishes a file security with levels of protection. Prevents listing, editing, duplication or cataloging.

##### **STORE**

Stores the program that is presently in HP-85 memory onto the mass storage system.

**STOREBIN**

Stores the binary program that is currently in HP-85 memory onto the mass storage system.

**TRANSLATE**

Translates tape-based programs to disc-based programs to allow them to automatically take advantage of the mass storage system.

**TYP**

Returns the type of the next record of a data file.

**UNSECURE**

Removes the security established with the SECURE statement. Not programmable.

**VOLUME**

Establishes a volume label for a disc medium. Volume labels let you refer to a disc medium by a name that you specify.

**Ordering Information**

00085-15001 HP-85 Mass Storage ROM  
(Requires HP 82936A ROM Drawer)

**Warranty and Service**

Hewlett-Packard offers a limited 90-day warranty on the Mass Storage ROM. A copy of the complete warranty statement is available upon request.

Service for the ROM is available at service centers located in many countries around the world. Contact your local dealer or sales representative for more information and service center locations.

The information and specifications presented in this data sheet are subject to change without notice.

Scan Copyright ©  
The Museum of HP Calculators  
[www.hpmuseum.org](http://www.hpmuseum.org)

Original content used with permission.

Thank you for supporting the Museum of HP  
Calculators by purchasing this Scan!

Please do not make copies of this scan or  
make it available on file sharing services.